

FIG. 1

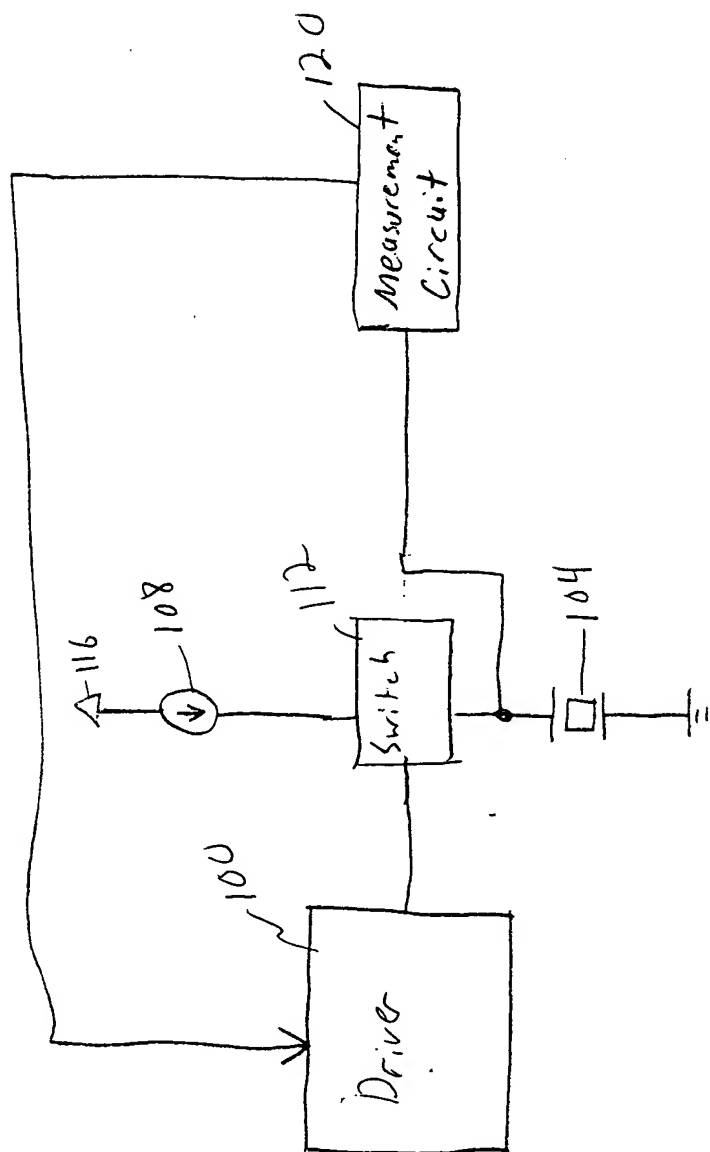


Fig 2

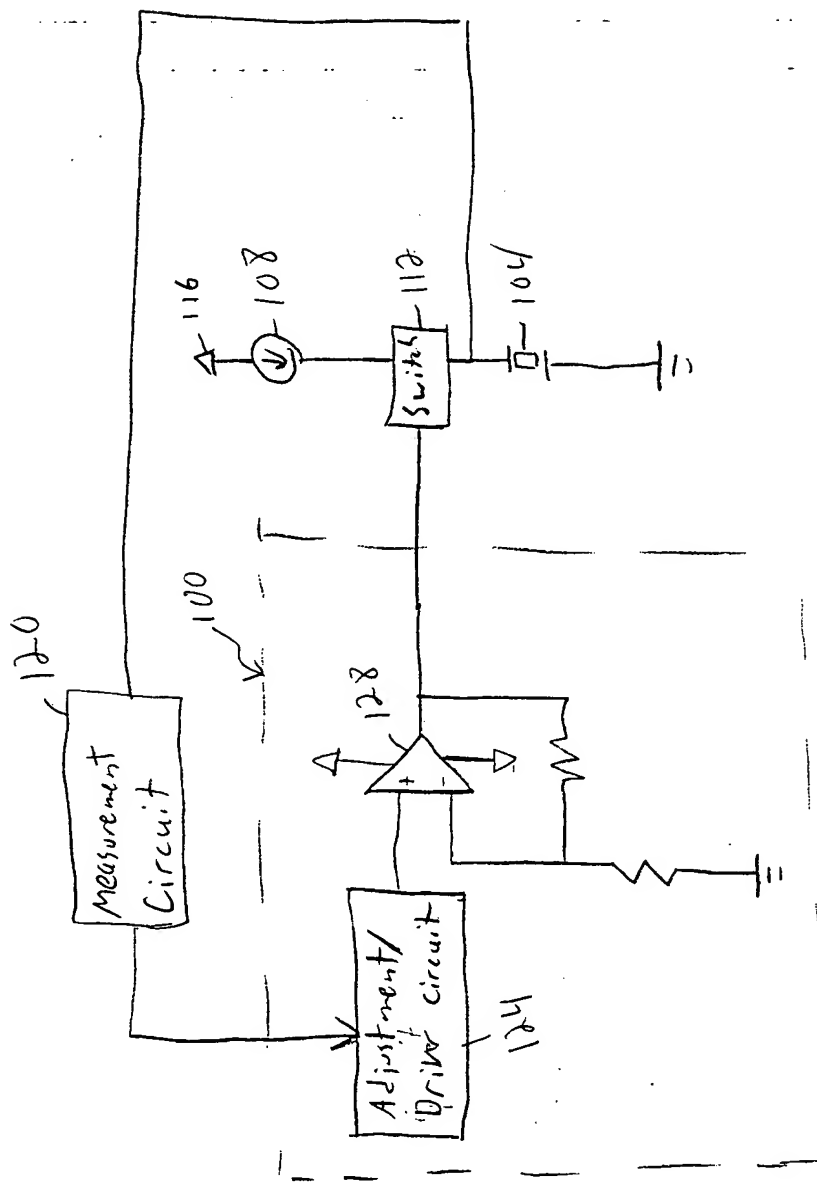


Fig. 3

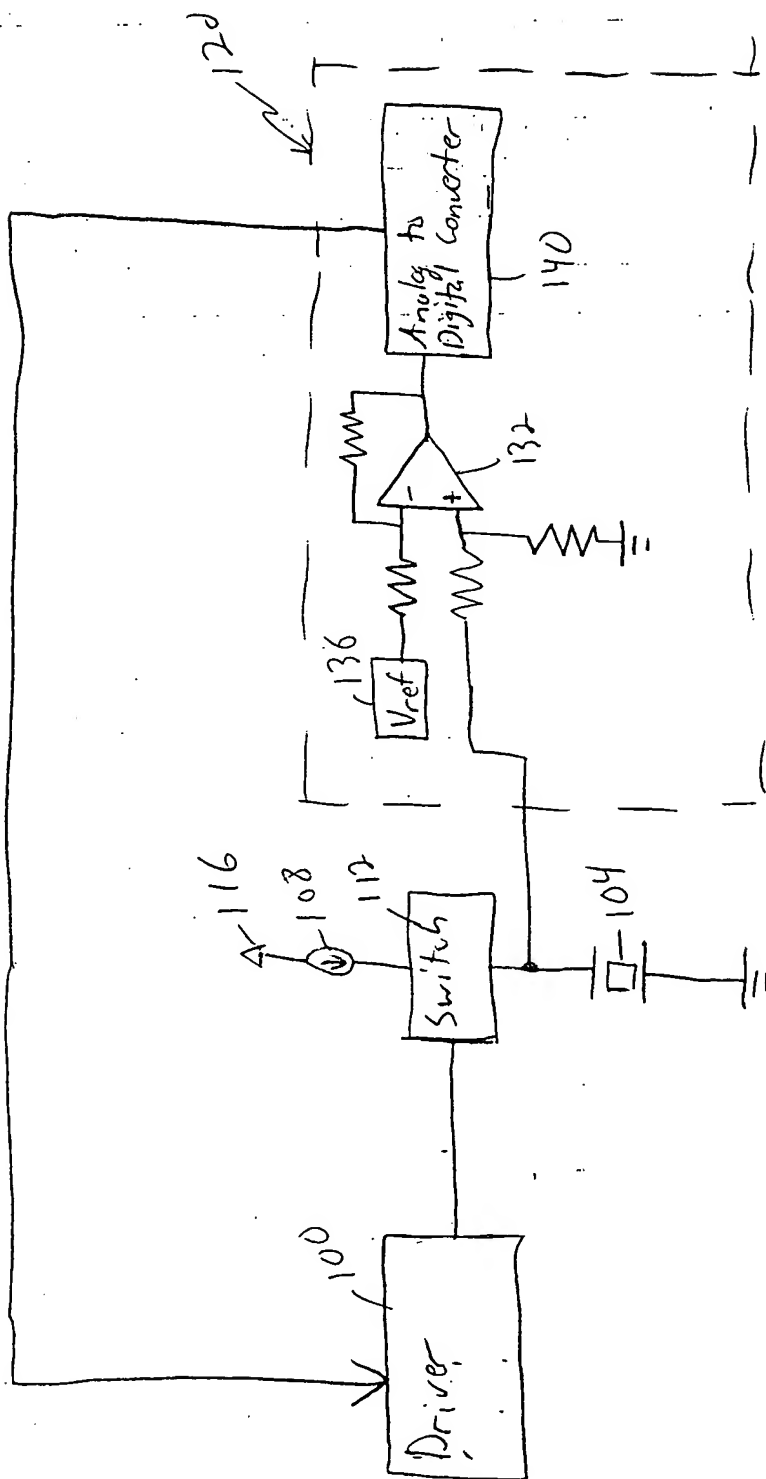


Fig. 4

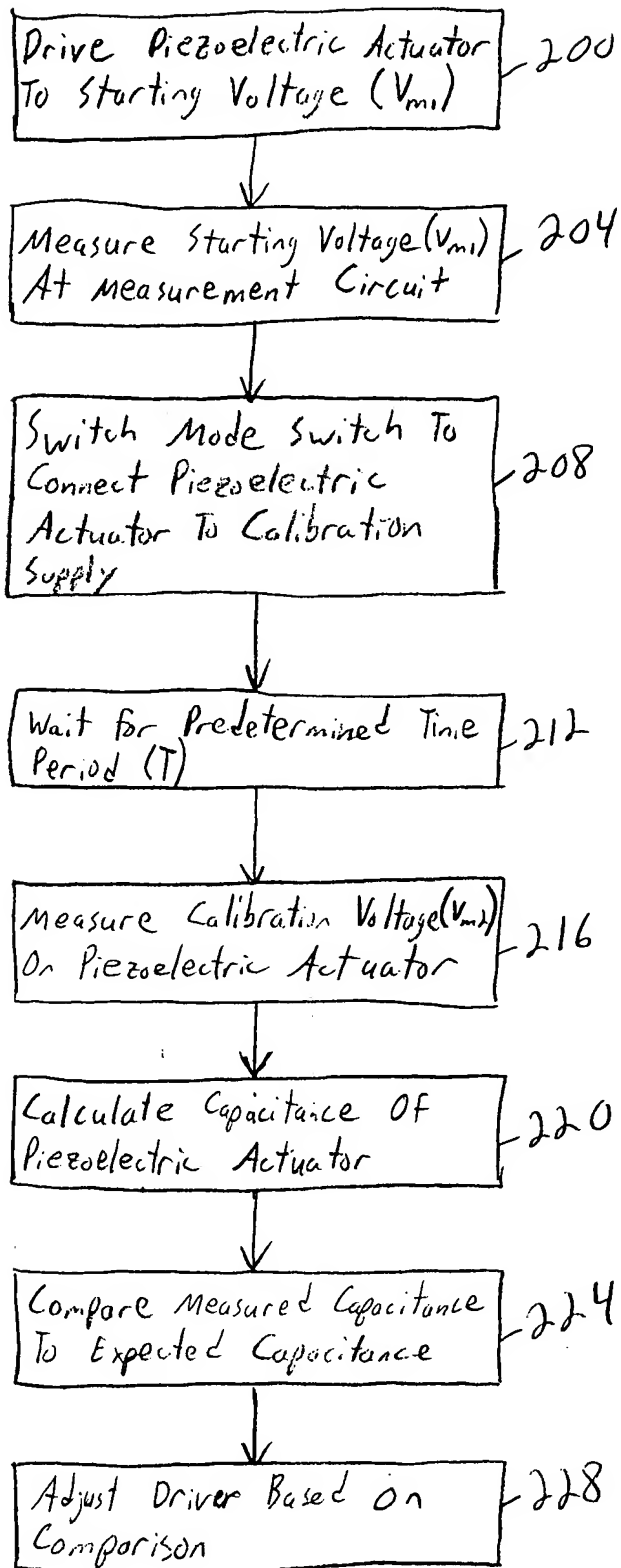


Fig. 5

Drive Piezoelectric  
Actuator To Known  
Starting Voltage 300

Switch mode switch  
to connect Piezoelectric  
Actuator to Calibration  
Supply 304

Monitor Voltage  
on The Piezoelectric  
Actuator and start  
Timer 308

Stop timer when the  
Voltage on the  
Piezoelectric Actuator  
reaches Predetermined  
level 312

Calculate Capacitance of  
Piezoelectric Actuator 316

Compare Measured  
Capacitance to Expected  
Capacitance 320

Adjust driver based  
on comparison 324

Fig. 6